

Abstract of the Disclosure

Column/I-beam interconnect structure including an attaching plate joined to an I-beam end. This plate possesses, along its lateral margins, angularly oriented upper and lower through-passages, each characterized with a reception axis, and designed to receive, along that axis, portions of a hex nut-and-bolt set which is used to clamp together two adjacent, angularly related attaching plates. The socket portions, or outer chambers, of the through-passages are formed with spaced and generally parallel-planar upper and lower surfaces which act in these socket portions to restrain a received hex nut against rotation about its own rotational assembly axis which, in the socket portion, is coincident with the socket portion's reception axis. This arrangement uniquely allows for a structural configuration wherein laterally directed moment loads are transferred very closely relative to the elevations of such beams' flanges, and more specifically, as close as possible to key axes of force transmission such as those that lie laterally centrally in the planes of these flanges.